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# J.S. ALBERICI

## CONSTRUCTION CO., INC.

July 30, 1985

Monsanto Company  
Route 3  
Sauget, IL 62201

Attention: Mr. Bruce Steketee/C.E.D.

Ref: Monsanto Project 3808  
JSA Job #8434  
42" Joint Installation

Gentlemen:

On July 24, 1985, at approximately 9:35 a.m., Ken Petterson called and advised us that Monsanto did not wish to make any additional 42" joints until resolution was reached regarding their concerns as to the methods being used to make the joints. In an effort to effectively use the 42" joint crew, we elected to fall back and complete previous joints set on July 22 and July 23, only to be notified by Ken Petterson at 12:35 p.m. that Monsanto would not accept any additional 42" two-pass joints and that any action required to repair expanded joints due to exothermic reaction would be the responsibility of J. S. Alberici. At this point, Monsanto had effectively shut down our 42" joint operations.

The following day, July 25, 1985, we did not proceed with any additional work on the 42" pipe joints. During our weekly construction meeting on this day, Monsanto gave us a letter expressing their concerns with the methods being used to make 42" pipe joints, taking the position that we were not performing in compliance with the project specifications, "Yard Chemical Sewers - Clay Pipe", Sect. 2F-5. We reviewed and addressed the letter point by point and followed up with a written reply. The outcome of the letter review and our comments concerning the same revealed that we were in compliance with the project specifications as noted above, and that we would continue with our current 42" pipe joint procedures with exception of the number of required material passes.

When Monsanto stopped our jointing and second pass procedures, our joint conditions from MH 1-EE to MH 2-AA were as follows:

1. We had completed the first ten joints by July 19, 1985.
2. We had three pipes buttered and set on July 22, 1985, with second passes completed on July 24, 1985.

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3. We had buttered and set four pipes on July 23, 1985, which have not been completed.
4. We had buttered and set one additional pipe on July 24, 1985, prior to Monsanto's notice to cease making 42" joints. This pipe is also not complete.
5. In addition to the above, we had four blasted 42" pipes in the trench and ready for setting.

As a result of Monsanto's untimely shutdown of the 42" joint operations, we had several incomplete joints as shown above exposed to the elements and possible damage.

On July 25, 1985, at approximately 5:15 p.m., it started to rain which did not stop until sometime that evening after some 2" to 3" of measureable rainfall.

The morning of July 26, 1985, we arrived on site to find that we had water in the main trench 31 to 36 inches above the encasement base. The water east of Manhole 2-AA was green and clear, while that west of MH 2-AA to MH 1-EE was black and oily. It appears that the leaking encasement east of MH 2-AA and the existing 24" pipe previously cut off at MH 2-AA intercepted and caused a great deal of contaminated flow to come into the main trench. The black oily material brought in by the flow was deposited on the 42" pipe, contaminating completed joints, pipes ready for jointing and partial joints in their curing stage. Please note that had we been allowed to complete the partial joints, as we had intended on July 24, that those joints would have had at least 24 hours of initial set which may have protected the buttered and partial pass joints from the contamination.

The contamination of incomplete joints caused by the sewer inflow has resulted in the need to perform work above and beyond our G.M.P. contract; Immediately, the need to reblast all the incomplete joints in an effort to remove the black oily material to insure a good clean oil free surface for furan bonding.

Secondly and probably the most costly long range effect of the inflow is that since we are dealing with an experimental joint material and procedure of which we have no real data concerning leakage due to fluid submersion of partially cured joints, that we have no way of knowing whether there is any damage to the joints both complete and incomplete that could result in joint leakage. "

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In conclusion, we will perform the reblasting and clean up of the incomplete joints and pipe not yet set and pass the cost of this additional work on to Monsanto. Also be advised that any leakage of the partially submerged 42" pipe joints from MH 1-EE to MH 2-AA will be repaired at the expense of Monsanto. J. S. Alberici will not be responsible for any joint leakage due to fluid submersion of uncured furan joints, specifically the experimental joint currently being used on this project.

If you have any questions or require any further information, please feel free to call.

Sincerely yours,

J. S. ALBERICI CONST. CO., INC.



Christopher J. Lotz  
Project Engineer

CJL/ral

cc: G. Grundmann  
O. N. Shipley  
W. C. Koester  
File

bcc: L. Bumbicka/D. Nelson  
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G. Grundmann/K. Lichtenheld  
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